777 12TH STREET, 3RD FLOOR SACRAMENTO METROPOLITAN SACRAMENTO, CA 95814-1908

AIR QUALITY
MANAGEMENT DISTRICT

AUTHORITY TO CONSTRUCT

A/C NO.: 20734 - 20736 **ISSUED BY:** Brian F Krebs
BRIAN KREBS

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ISSUED TO: SACRAMENTO COGENERATION AUTHORITY (SCA)

LOCATION: 5000 83RD ST., SACRAMENTO, CA 95852-1830

DESCRIPTION: MODIFICATION OF GAS TURBINE UNITS 1A, 1B AND 1C BY UPGRADING EACH TURBINE TO A LM6000PC SPRINT/EFS MODEL.

AUTHORITY TO CONSTRUCT CONDITIONS

GENERAL

1. THE EQUIPMENT SHALL BE PROPERLY MAINTAINED.

2. THE AIR POLLUTION CONTROL OFFICER AND/OR AUTHORIZED REPRESENTATIVES, UPON THE PRESENTATION OF CREDENTIALS SHALL BE PERMITTED:
   A. TO ENTER UPON THE PREMISES WHERE THE SOURCES ARE LOCATED OR IN WHICH ANY RECORDS ARE REQUIRED TO BE KEPT UNDER THE TERMS AND CONDITIONS OF THIS AUTHORITY TO CONSTRUCT, AND
   B. AT REASONABLE TIMES TO HAVE ACCESS TO AND COPY ANY RECORDS REQUIRED TO BE KEPT UNDER TERMS AND CONDITIONS OF THIS AUTHORITY TO CONSTRUCT, AND
   C. TO INSPECT ANY EQUIPMENT, OPERATION, OR METHOD REQUIRED IN THIS AUTHORITY TO CONSTRUCT, AND
   D. TO SAMPLE EMISSIONS FROM THE SOURCES OR REQUIRE SAMPLES TO BE TAKEN.

3. THIS AUTHORITY TO CONSTRUCT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26, PART 4, CHAPTER 3, OF THE CALIFORNIA HEALTH AND SAFETY CODE OR THE RULES AND REGULATIONS OF THE AIR QUALITY MANAGEMENT DISTRICT.

4. A LEGIBLE COPY OF THIS AUTHORITY TO CONSTRUCT SHALL BE MAINTAINED ON THE PREMISES WITH THE EQUIPMENT.

5. MALFUNCTION - THE AIR POLLUTION CONTROL OFFICER SHALL BE NOTIFIED OF ANY BREAKDOWN OF THE EMISSIONS MONITORING EQUIPMENT, ANY EQUIPMENT, OR ANY PROCESS WHICH RESULTS IN AN INCREASE IN EMISSIONS ABOVE THE ALLOWABLE EMISSIONS LIMITS STATED AS A CONDITION OF THIS PERMIT OR ANY APPLICABLE STATE OR FEDERAL REGULATION OR WHICH AFFECTS THE ABILITY FOR THE EMISSIONS TO BE ACCURATELY DETERMINED. SUCH BREAKDOWNS SHALL BE REPORTED TO THE DISTRICT IN ACCORDANCE WITH THE PROCEDURES AND REPORTING TIMES SPECIFIED IN RULE 602 - BREAKDOWN CONDITIONS; EMERGENCY VARIANCE.

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6. SEVERABILITY - IF ANY PROVISION, CLAUSE, SENTENCE, PARAGRAPH, SECTION, OR PART OF THESE CONDITIONS FOR ANY REASON IS JUDGED TO BE UNCONSTITUTIONAL OR INVALID, SUCH JUDGMENT SHALL NOT AFFECT OR INVALIDATE THE REMAINDER OF THESE CONDITIONS

COMMISSIONING ACTIVITIES

7. EMISSIONS SHALL BE MINIMIZED TO THE MAXIMUM EXTENT FEASIBLE DURING THE COMMISSIONING PERIOD. CONDITIONS NOS. 7 THROUGH 12 SHALL APPLY DURING THE COMMISSIONING PERIOD.

8. COMMISSIONING ACTIVITIES ARE DEFINED AS, BUT ARE NOT LIMITED TO, ALL TESTING, ADJUSTMENT, TUNING AND CALIBRATION ACTIVITIES RECOMMENDED BY THE EQUIPMENT MANUFACTURERS AND THE CONSTRUCTION CONTRACTOR TO ENSURE SAFE AND RELIABLE OPERATION OF THE GAS TURBINES AND HEAT RECOVERY STEAM GENERATORS.

9. COMMISSIONING PERIOD SHALL COMMENCE, AFTER MODIFICATION OF AN INDIVIDUAL TURBINE AND ONLY FOR THAT TURBINE, WHEN ALL THE MECHANICAL, ELECTRICAL, AND CONTROL SYSTEMS ARE INSTALLED AND INDIVIDUAL SYSTEM STARTUP HAS BEEN COMPLETED, OR WHEN THE GAS TURBINE IS FIRST FIRED, WHICHEVER OCCURS FIRST. THE COMMISSIONING PERIOD SHALL TERMINATE WHEN THE PLANT HAS COMPLETED INITIAL PERFORMANCE TESTING AND IS AVAILABLE FOR COMMERCIAL OPERATION.

10. AT THE EARLIEST FEASIBLE OPPORTUNITY, IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE EQUIPMENT MANUFACTURER AND CONSTRUCTION CONTRACTOR, THE COMBUSTORS OF EACH UNIT THAT HAS UNDERGONE MODIFICATION SHALL BE TUNED TO MINIMIZE EMISSIONS.

11. EMISSION RATES DURING THE COMMISSIONING PERIOD SHALL NOT EXCEED ANY OF THE FOLLOWING AVERAGED OVER 3-HOURS:

    NOx – 21.4 LB/HR
    CO – 16.8 LB/HR

    THE NOx CONCENTRATION LIMITS IN CONDITION NO. 18 SHALL NOT APPLY DURING THE COMMISSIONING PERIOD. ALL OTHER HOURLY, DAILY, AND QUARTERLY EMISSION LIMITS SHALL REMAIN EFFECTIVE DURING THE COMMISSIONING PERIOD.

12. DURING THE COMMISSIONING PERIOD, COMPLIANCE WITH THE NOx AND CO EMISSION LIMITS IN CONDITION NO. 11 SHALL BE DEMONSTRATED THROUGH THE USE OF PROPERLY OPERATED AND MAINTAINED CONTINUOUS EMISSIONS MONITORS AND RECORDERS.

EMISSION LIMITATIONS

13. THE EQUIPMENT SHALL NOT DISCHARGE INTO THE ATMOSPHERE ANY VISIBLE AIR CONTAMINANT OTHER THAN UNCOMBINED WATER VAPOR, FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR, WHICH IS AS DARK AS OR DARKER THAN RINGELMANN NO. 1 OR EQUIVALENT TO OR GREATER THAN 20% OPACITY.

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14. PRIOR TO MODIFICATION, EMISSIONS FROM THE FOLLOWING EQUIPMENT SHALL NOT EXCEED THE FOLLOWING LIMITS AVERAGED OVER A THREE HOUR PERIOD, NOT INCLUDING START-UPS AS DEFINED IN CONDITION NO. 22.

POLLUTANT	MAXIMUM ALLOWABLE EMISSIONS		
	CTG 1A + DUCT BURNER (LB/HR)	CTG 1B + DUCT BURNER (LB/HR)	CTG 1C (LB/HOUR)
NOx	9.72 (A)	9.72 (A)	8.22 (A)
CO	4.20 (B)	4.20 (B)	3.30 (B)
ROC	1.80 (C)	1.80 (C)	1.18 (C)
SOx	0.32 (D)	0.32 (D)	0.27 (D)
PM10	3.30 (E)	3.30 (E)	2.50 (E)

(A) BASED ON DATA SUBMITTED IN THE APPLICATION AND AS MONITORED BY THE TURBINE'S NOx CEM SYSTEM
(B) BASED ON DATA SUBMITTED IN THE APPLICATION AND AS MONITORED BY THE TURBINE'S CO CEM SYSTEM
(C) FOR COMBINED CYCLE TURBINES, BASED ON FULL CAPACITY AND A TURBINE EMISSION FACTOR OF 0.00244 LB/MMBTU AND A DUCT BURNER EMISSION FACTOR OF 0.0084 LB/MMBTU. FOR SIMPLE CYCLE TURBINE, BASED ON FULL CAPACITY AND AN EMISSION FACTOR OF 0.00262 LB/MMBTU
(D) BASED ON A SOx EMISSION FACTOR OF 0.0006 LB/MMBTU AND FIRING AT FULL CAPACITY
(E) FOR COMBINED CYCLE TURBINES, BASED ON FULL CAPACITY AND A TURBINE EMISSION FACTOR OF 0.00555 LB/MMBTU AND A DUCT BURNER EMISSION FACTOR OF 0.0096 LB/MMBTU. FOR SIMPLE CYCLE TURBINE, BASED ON FULL CAPACITY AND AN EMISSION FACTOR OF 0.00555 LB/MMBTU

15. AFTER MODIFICATION, EMISSIONS FROM THE FOLLOWING MODIFIED EQUIPMENT SHALL NOT EXCEED THE FOLLOWING LIMITS AVERAGED OVER A THREE HOUR PERIOD, NOT INCLUDING START-UPS AS DEFINED IN CONDITION NO. 22.

POLLUTANT	MAXIMUM ALLOWABLE EMISSIONS		
	CTG 1A + DUCT BURNER (LB/HR)	CTG 1B + DUCT BURNER (LB/HR)	CTG 1C (LB/HOUR)
NOx	5.37 (A)	5.37 (A)	4.60 (A)
CO	7.85 (B)	7.85 (B)	6.73 (B)
ROC	1.80 (C)	1.80 (C)	1.18 (C)
SOx	0.35 (D)	0.35 (D)	0.30 (D)
PM10	3.30 (E)	3.30 (E)	2.50 (E)

(A) BASED ON DATA SUBMITTED IN THE APPLICATION AND AS MONITORED BY THE TURBINE'S NOx CEM SYSTEM
(B) BASED ON DATA SUBMITTED IN THE APPLICATION AND AS MONITORED BY THE TURBINE'S CO CEM SYSTEM
(C) FOR COMBINED CYCLE TURBINES, BASED ON FULL CAPACITY AND A TURBINE EMISSION FACTOR OF 0.0024 LB/MMBTU AND A DUCT BURNER EMISSION FACTOR OF 0.0075 LB/MMBTU. FOR SIMPLE CYCLE TURBINE, BASED ON FULL CAPACITY AND AN EMISSION FACTOR OF 0.0024 LB/MMBTU
(D) BASED ON A SOx EMISSION FACTOR OF 0.0006 LB/MMBTU AND FIRING AT FULL CAPACITY
(E) FOR COMBINED CYCLE TURBINES, BASED ON FULL CAPACITY AND A TURBINE EMISSION FACTOR OF 0.0050 LB/MMBTU AND A DUCT BURNER EMISSION FACTOR OF 0.0096 LB/MMBTU. FOR SIMPLE CYCLE TURBINE, BASED ON FULL CAPACITY AND AN EMISSION FACTOR OF 0.0050 LB/MMBTU

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16. EMISSIONS OF NOx, CO, ROC, SOx, AND PM10 FROM THE TURBINES INCLUDING START-UPS AND SHUTDOWNS SHALL NOT EXCEED THE FOLLOWING LIMITS.

POLLUTANT	MAXIMUM ALLOWABLE EMISSIONS (LB/DAY)					
	CTG 1A +DB		CTG 1A +DB		CTG 1C	
	PRE MOD	POST MOD	PRE MOD	POST MOD	PRE MOD	POST MOD
NOx	233	144.9	233	144.9	203.8	120.3
CO	113.4	197.3	113.4	197.3	85.1	163.9
ROC	43.2	43.2	43.2	43.2	28.3	28.3
SOx	7.7	8.4	7.7	8.4	6.5	7.2
PM10	79.2	79.2	79.2	79.2	60	60

17. EMISSIONS OF NOx, CO, ROC, SOx, AND PM10 FROM ALL EQUIPMENT AT THE SACRAMENTO COGENERATION AUTHORITY'S FACILITY INCLUDING START-UPS AND SHUTDOWNS SHALL NOT EXCEED THE FOLLOWING LIMITS.

PRIOR TO ANY MODIFICATION

POLLUTANT	MAXIMUM ALLOWABLE EMISSIONS				
	QTR 1 (LB/QUARTER)	QTR 2 (LB/QUARTER)	QTR 3 (LB/QUARTER)	QTR 4 (LB/QUARTER)	TOTAL (LB/YEAR)
NOx	49,051	49,590	50,128	50,128	198,897
CO	29,758	30,082	30,407	30,407	120,654
ROC	8,287	8,380	8,472	8,472	33,611
SOx	1,722	1,741	1,760	1,760	6,983
PM10	17,220	17,411	17,603	17,603	69,837

AFTER FIRST COMBINED CYCLE TURBINE IS MODIFIED

POLLUTANT	MAXIMUM ALLOWABLE EMISSIONS				
	QTR 1 (LB/QUARTER)	QTR 2 (LB/QUARTER)	QTR 3 (LB/QUARTER)	QTR 4 (LB/QUARTER)	TOTAL (LB/YEAR)
NOx	41,207	41,658	42,110	42,110	167,084
CO	37,041	37,447	37,852	37,852	150,192
ROC	8,287	8,380	8,472	8,472	33,611
SOx	1,791	1,811	1,831	1,831	7,263
PM10	17,220	17,411	17,603	17,603	69,837

AFTER SECOND COMBINED CYCLE TURBINE IS MODIFIED

POLLUTANT	MAXIMUM ALLOWABLE EMISSIONS				
	QTR 1 (LB/QUARTER)	QTR 2 (LB/QUARTER)	QTR 3 (LB/QUARTER)	QTR 4 (LB/QUARTER)	TOTAL (LB/YEAR)
NOx	33,363	33,727	34,091	34,091	135,272
CO	44,324	44,811	45,298	45,298	179,731
ROC	8,287	8,380	8,472	8,472	33,611
SOx	1,860	1,881	1,901	1,901	7,543
PM10	17,220	17,411	17,603	17,603	69,837

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AFTER ALL THREE TURBINES HAVE BEEN MODIFIED

POLLUTANT	MAXIMUM ALLOWABLE EMISSIONS				
	QTR 1 (LB/QUARTER)	QTR 2 (LB/QUARTER)	QTR 3 (LB/QUARTER)	QTR 4 (LB/QUARTER)	TOTAL (LB/YEAR)
NOx	28,993	29,305	29,618	29,618	117,534
CO	48,994	49,535	50,075	50,075	198,679
ROC	8,287	8,380	8,471	8,471	33,611
SOx	1,901	1,923	1,944	1,944	7,712
PM10	17,220	17,411	17,603	17,603	69,837

18. THE TURBINES AND ASSOCIATED DUCT BURNERS (WHERE APPLICABLE) SHALL NOT EMIT MORE THAN THE FOLLOWING NOx CONCENTRATION AVERAGED OVER ANY CONSECUTIVE THREE HOUR PERIOD, EXCLUDING START-UPS AS DEFINED IN CONDITION NO. 22.
    A) PRIOR TO MODIFICATION 5 PPMVD @ 15% O_2
    B) AFTER MODIFICATION 2.5 PPMVD @ 15% O_2

19. THE TURBINES AND ASSOCIATED DUCT BURNERS (WHERE APPLICABLE) SHALL NOT EMIT MORE THAN 10 PPMVD AMMONIA AT 15% O_2 MEASURED AS NH_3 AVERAGED OVER ANY CONSECUTIVE THREE HOUR PERIOD, EXCLUDING START-UPS AS DEFINED IN CONDITION NO. 22.

EQUIPMENT OPERATION

20. THE DUCT BURNER HRSG SHALL NOT BE OPERATED UNLESS THE COMBINED CYCLE TURBINE IS OPERATING.

21. THE TURBINES AND/OR THE DUCT BURNER HRSG SHALL NOT BE OPERATING WITHOUT A FUNCTIONING SELECTIVE CATALYTIC REDUCTION AND OXIDIZING CATALYST AIR POLLUTION CONTROL SYSTEM, EXCLUDING PERIODS OF START-UPS AND SHUT DOWNS.

22. THE DURATION OF THE COMBINED CYCLE TURBINE'S START-UP PERIOD SHALL NOT EXCEED 60 MINUTES. THE DURATION OF THE SIMPLE CYCLE TURBINE'S START-UP PERIOD SHALL NOT EXCEED 30 MINUTES. THE START-UP PERIOD IS DEFINED AS THE TIME WHEN THE FUEL IS FIRST INTRODUCED TO THE TURBINE TO THE TIME WHEN THE EMISSIONS OF NOx ARE CONTROLLED TO THE APPROPRIATE CONCENTRATION STATED IN CONDITION NO. 18.

MONITORING SYSTEMS

23. SACRAMENTO COGENERATION AUTHORITY SHALL OPERATE A CONTINUOUS EMISSION MONITORING SYSTEM THAT HAS BEEN APPROVED BY THE AIR POLLUTION CONTROL OFFICER FOR THE TURBINES AND DUCT BURNER'S EMISSIONS.
    A. THE CONTINUOUS EMISSION MONITORING (CEM) SYSTEM SHALL MONITOR AND RECORD NITROGEN OXIDES, CARBON MONOXIDE, AND OXYGEN.
    B. THE CEM SYSTEM SHALL COMPLY WITH THE EPA PERFORMANCE SPECIFICATIONS (TITLE 40, CODE OF FEDERAL REGULATIONS, PART 60, APPENDIX B, PERFORMANCE SPECIFICATIONS 2, 3, AND 4).

24. THE SACRAMENTO COGENERATION AUTHORITY SHALL OPERATE A CONTINUOUS MONITORING SYSTEM THAT HAS BEEN APPROVED BY THE AIR POLLUTION CONTROL OFFICER THAT EITHER MEASURES OR CALCULATES AND RECORDS THE FOLLOWING.

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PARAMETER TO BE MONITORED	UNITS
FUEL CONSUMPTION OF THE TURBINE	MMBTU/HR OF NATURAL GAS
FUEL CONSUMPTION OF THE DUCT BURNER	MMBTU/HR OF NATURAL GAS
EXHAUST GAS FLOW RATE OF TURBINES AND DUCT BURNER.	KSCFH OR LB/HR

RECORDKEEPING

25. THE FOLLOWING RECORD SHALL BE CONTINUOUSLY MAINTAINED ON SITE FOR THE MOST RECENT FIVE YEAR PERIOD AND SHALL BE MADE AVAILABLE TO THE AIR POLLUTION CONTROL OFFICER UPON REQUEST. QUARTERLY AND YEARLY RECORDS SHALL BE MADE AVAILABLE FOR INSPECTION WITHIN 30 DAYS OF THE END OF THE PREVIOUS QUARTER OR YEAR RESPECTIVELY.

FREQUENCY	INFORMATION TO BE RECORDED
GENERAL	A. RECORD OF THE OCCURRENCE AND DURATION OF ANY START-UP OR SHUTDOWN. B. MALFUNCTION IN OPERATION OF THE TURBINE. C. MEASUREMENTS FROM THE CONTINUOUS MONITORING SYSTEM. D. MONITORING DEVICE AND PERFORMANCE TESTING MEASUREMENTS. E. ALL CONTINUOUS MONITORING SYSTEM PERFORMANCE EVALUATIONS. F. ALL CONTINUOUS MONITORING SYSTEM OR MONITORING DEVICE CALIBRATION CHECKS G. ALL CONTINUOUS MONITORING SYSTEM ADJUSTMENTS AND MAINTENANCE.
HOURLY	A. EACH TURBINE'S NATURAL GAS FUEL CONSUMPTION (MMBTU/HR). B. EACH DUCT BURNER'S NATURAL GAS FUEL CONSUMPTION (MMBTU/HR). C. INDICATE WHEN EACH TURBINE START-UP OCCURRED. D. COMBINED CYCLE TURBINE AND DUCT BURNER AND SIMPLE CYCLE TURBINE NOx, CO, ROC, SOx AND PM10 HOURLY EMISSIONS. FOR THOSE POLLUTANTS DIRECTLY MONITORED (NOx AND CO), THE HOURLY EMISSIONS WILL BE FROM THE CEM SYSTEM REQUIRED PURSUANT TO CONDITION 23. FOR THOSE POLLUTANTS THAT ARE NOT DIRECTLY MONITORED (ROC, SOx, AND PM10), THE HOURLY EMISSIONS SHALL BE CALCULATED BASED ON DISTRICT APPROVED EMISSION FACTORS CONTAINED IN FOOTNOTES TO CONDITION NOS. 14 AND 15. E. COMBINED CYCLE TURBINE AND DUCT BURNER AND SIMPLE CYCLE NOx CONCENTRATION MEASURED IN PPMVD AT 15% O_2.
DAILY	TOTAL DAILY EMISSIONS FROM ALL EQUIPMENT AT THE SACRAMENTO COGENERATION AUTHORITY FACILITY
QUARTERLY	TOTAL FACILITY NOx, CO, ROC, SOx, AND PM10 QUARTERLY MASS EMISSION

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REPORTING

26. FOR EACH CALENDAR QUARTER SUBMIT TO THE AIR POLLUTION CONTROL OFFICER A WRITTEN REPORT WHICH CONTAINS THE FOLLOWING. EACH QUARTERLY REPORT IS DUE BY THE 30TH DAY FOLLOWING THE END OF THE CALENDAR QUARTER.

FREQUENCY	INFORMATION TO BE SUBMITTED
WHENEVER THE CONTINUOUS EMISSIONS MONITORING SYSTEM IS INOPERATIVE EXCEPT FOR ZERO AND SPAN CHECKS.	A. DATE AND TIME OF NON OPERATION OF THE CONTINUOUS EMISSION MONITORING SYSTEM B. NATURE OF THE CONTINUOUS EMISSION MONITORING SYSTEM REPAIRS OR ADJUSTMENTS.
WHENEVER AN EMISSION OCCURS AS MEASURED BY THE REQUIRED CONTINUOUS MONITORING EQUIPMENT THAT IS IN EXCESS OF ANY EMISSION LIMITATION	A. MAGNITUDE OF THE EMISSION WHICH HAS BEEN DETERMINED TO BE IN EXCESS. B. DATE AND TIME OF THE COMMENCEMENT AND COMPLETION OF EACH PERIOD OF EXCESS EMISSIONS C. PERIODS OF EXCESS EMISSIONS DUE TO START-UP, SHUTDOWN, AND MALFUNCTION SHALL BE SPECIFICALLY IDENTIFIED. D. THE NATURE AND CAUSE OF ANY MALFUNCTION (IF KNOWN) E. THE CORRECTIVE ACTION TAKEN OR PREVENTIVE MEASURES ADOPTED.
IF THERE WERE NO EXCESS EMISSIONS FOR A QUARTER	A REPORT SHALL BE SUBMITTED INDICATING THAT THERE WERE NO EXCESS EMISSIONS

COMPLIANCE TESTING REQUIREMENTS

27. A NOx, ROC, CO, PM10, AMMONIA, AND CEM ACCURACY SOURCE TEST OF THE COMBINED CYCLE TURBINES AND DUCT BURNERS AND THE SIMPLE CYCLE TURBINE SHALL BE PERFORMED ONCE EVERY CALENDAR YEAR. THE AIR POLLUTION CONTROL OFFICER MAY WAIVE THE ANNUAL PM10 AND/OR ROC SOURCE TEST REQUIREMENT IF, IN THE AIR POLLUTION CONTROL OFFICER'S SOLE JUDGMENT, PRIOR TEST RESULTS INDICATE AN ADEQUATE COMPLIANCE MARGIN HAS BEEN MAINTAINED.
    A. SUBMIT A TEST PLAN TO THE AIR POLLUTION CONTROL OFFICER FOR APPROVAL AT LEAST 30 DAYS BEFORE THE SOURCE TEST IS TO BE PERFORMED.
    B. THE AIR POLLUTION CONTROL OFFICER SHALL BE NOTIFIED AT LEAST 7 DAYS PRIOR TO THE EMISSION TESTING DATE.
    C. DURING THE TEST(S), THE TURBINES AND/DUCT BURNERS (WHERE APPLICABLE) ARE TO BE OPERATED AT THEIR MAXIMUM TOTAL FIRING CAPACITY (I.E. ≥90%).
    D. IN ADDITION TO THE FULL LOAD TESTS SPECIFIED ABOVE, THE TURBINES ARE TO BE TESTED AT PART LOAD (50%) FOR CO AND ROC.
    E. THE SOURCE TEST RESULTS SHALL BE SUBMITTED TO THE AIR POLLUTION CONTROL OFFICER WITHIN 60 DAYS FROM THE COMPLETION OF THE SOURCE TEST(S).

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28. WITHIN 60 DAYS OF COMPLETION OF EACH TURBINE'S UPGRADE, A NOx, ROC, CO, PM10, AMMONIA, AND CEM ACCURACY SOURCE TEST SHALL BE PERFORMED. A SUCCESSFUL COMPLETION OF THIS INITIAL START-UP TEST CAN QUALIFY AS AN ANNUAL COMPLIANCE TEST AS REQUIRED IN CONDITION NO. 27.
    A. SUBMIT A TEST PLAN TO THE AIR POLLUTION CONTROL OFFICER FOR APPROVAL AT LEAST 30 DAYS BEFORE THE SOURCE TEST IS TO BE PERFORMED.
    B. THE AIR POLLUTION CONTROL OFFICER SHALL BE NOTIFIED AT LEAST 7 DAYS PRIOR TO THE EMISSION TESTING DATE.
    C. DURING THE TEST(S), THE TURBINE AND DUCT BURNER (WHERE APPLICABLE) ARE TO BE OPERATED AT THEIR MAXIMUM TOTAL FIRING CAPACITY (I.E. ≥90%).
    D. IN ADDITION TO THE FULL LOAD TESTS SPECIFIED ABOVE, THE TURBINE IS TO BE TESTED AT PART LOAD (50%) FOR CO AND ROC.
    E. THE SOURCE TEST RESULTS SHALL BE SUBMITTED TO THE AIR POLLUTION CONTROL OFFICER WITHIN 60 DAYS FROM THE COMPLETION OF THE SOURCE TEST(S).

YOUR APPLICATION FOR THIS AIR QUALITY AUTHORITY TO CONSTRUCT WAS EVALUATED FOR COMPLIANCE WITH SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT (AQMD), STATE AND FEDERAL AIR QUALITY RULES. THE FOLLOWING LISTED RULES ARE THOSE THAT ARE MOST APPLICABLE TO THE OPERATION OF YOUR EQUIPMENT. OTHER RULES MAY ALSO BE APPLICABLE.

AQMD RULE NO.	RULE TITLE
201	GENERAL PERMIT REQUIREMENTS
202	NEW SOURCE REVIEW
401	RINGELMANN CHART
406	SPECIFIC CONTAMINANTS
413	STATIONARY GAS TURBINES
420	SULFUR CONTENT OF FUELS
NSPS KKKK	STATIONARY GAS TURBINES

IN ADDITION, THE CONDITIONS ON THIS AUTHORITY TO CONSTRUCT MAY REFLECT SOME, BUT NOT ALL, REQUIREMENTS OF THESE RULES. THERE MAY BE OTHER CONDITIONS THAT ARE APPLICABLE TO THE OPERATION OF YOUR EQUIPMENT. FUTURE CHANGES IN PROHIBITORY RULES MAY ESTABLISH MORE STRINGENT REQUIREMENTS WHICH MAY SUPERSEDE THE CONDITIONS LISTED HERE.

FOR FURTHER INFORMATION PLEASE CONSULT YOUR AQMD RULEBOOK OR CONTACT THE AQMD FOR ASSISTANCE.

THIS IS **NOT** A PERMIT TO OPERATE